Acumen Fuse® Diagnostic Executive Briefing

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Created by Neil

TITAN II ORBITER Summary

An Acumen Fuse analysis was conducted on Friday, September 15, 2017 on the TITAN II ORBITER workbook. It contains 1 project: Titan II Orbiter IMS, modeled in Oracle Primavera P6. It also contains 5 snapshots: Titan II 20191031, Titan II 20181130, Titan II 20181231, Titan II 20190131 and Titan II 20190228, modeled in Oracle Primavera P6.

This project represents a total cost of $2.37MM of which $2.37MM are remaining with $0 spent as actual cost. The earliest start date is Monday, October 01, 2018 with the latest completion date being Friday, August 13, 2021.

Ribbon Browser

Ribbons \ Phases	2018	2019	2020	2021
Titan II Orbiter IMS				

Trend Analysis

The following section details how the characteristics of the workbook vary over time. This provides useful insight by showing improving/worsening trends. The analysis was conducted using years as time intervals:

- **1. Logic:** remains constant over time.
- **2. Leads:** remains constant over time.
- **3. Lags:** decreases over time with the best period being 2019 (0) and the worst period being 2018 (5).
- **4. SS/FF Relations:** decreases over time with the best period being 2019 (0) and the worst period being 2018 (4).
- **4. SF Relations:** remains constant over time.
- **5. Hard Constraint:** remains constant over time.
- **6. High Float:** decreases over time with the best period being 2021 (0) and the worst period being 2019 (11).
- **7. Negative Float:** remains constant over time.
- **8. High Duration:** decreases over time with the best period being 2018 (0) and the worst period being 2019 (4).
- **9. Invalid Forecast Dates:** remains constant over time.
- **10. Resources:** remains constant over time.
- **11. Missed Activities:** remains constant over time.

Projects Summary

Titan II Orbiter IMS Project

The Titan II Orbiter IMS project has a start date of Monday, October 01, 2018 and has Tuesday, April 20, 2021 as the completion date. The project is currently planned with a status date of Monday, October 01, 2018. It has 43 normal activities of which 0 (0%) are complete, 0 (0%) are in progress and 43 (100%) are still planned. It contains 17 milestones, no summaries and 2 LOEs.

The project baseline start date was Monday, October 01, 2018 with the baseline finish date being Tuesday, April 20, 2021. The project is currently on schedule.

The total cost of the project is $2.37MM (compared to baseline cost of $3.27MM) of which $0 has been actualized with $2.37MM remaining. The project is currently under budget by $901.2K.

Ribbon Analysis

A ribbon analysis shows how the results from the selected metrics vary across the selected groupings of activities. This is a useful means of comparing between such groupings. In addition, the scorecard value for each ribbon provides an overarching summary of each ribbon.

The workbook has been grouped by by projects. The analysis contains 1 ribbon: "Titan II Orbiter IMS".

Ribbon Analyzer

Ribbons \ Phases	1. Logic	2. Leads	3. Lags	4. SS/FF	4. SF Relati	5. Hard	6. High	7. Negati	8. High	9. Invalid	9. Invalid	10. Resou	11. Misse	12. Critica	13. CPLI	14. BEI	Scorecard Valu
Titan II Orbiter IMS	0	0	5	5	0	0	22	0	11	0		0	0	✓	1.00		48.4%

The overall score for this ribbon is 48.4%.

Titan II Orbiter IMS Ribbon Analysis

The Titan II Orbiter IMS ribbon contains 43 normal activities, 17 milestones, 0 summaries and 2 LOEs spanning from Monday, October 01, 2018 to Tuesday, April 20, 2021.

0% of the activities in this ribbon are complete; 100% are planned and 0% are in progress.

The ribbon is 932 days long and has a remaining cost of $2.32MM.

The ribbon was analyzed using 16 metrics, as detailed below:

- 0 activities (0%) are 1. Logic. No Exceptions. Verify that the program logic is accurate.
- 0 activities (0%) have 2. Leads. No Exceptions. This is the target state.
- 5 activities (11%) have 3. Lags. Less than 20% exceptions. Some improvements may be required.
- This ribbon has 5 4. SS/FF Relations (11%). Fewer than 20% of links are FF or SS. Improvements may be needed.
- This ribbon has 0 4. SF Relations (0%). No SF predecessors have been used.
- 0 activities (0%) have 5. Hard Constraint. No exceptions.
- 22 activities (51%) have 6. High Float. 20% or more exceptions - Improvements are required.
- 0 activities (0%) have 7. Negative Float. No Exceptions. This is the target state.
- 11 activities (19%) have 8. High Duration. Less than 20% exceptions. Some improvements may be required.
- 0 activities (0%) have 9. Invalid Forecast Dates. No Exceptions. This is the target state.
- 0 activities (0%) have 10. Resources. All activities have cost/resources assigned.

- 0 activities (0%) are 11. Missed Activities. No exceptions.
- This ribbon has a 12. Critical Path Test of ✓.
- This ribbon has a 13. CPLI of 1.00. Critical path length is greater than 95% of the duration of the project. This is the target state.